

# Sense and Destroy Armor (SADARM)



## MISSION

Provide an autonomous, counterbattery capability to indirect fire units.

## DESCRIPTION AND SPECIFICATIONS

Sense and Destroy Armor (SADARM) is a counterbattery fire-and-forget, multi-sensor-fuzed smart munition designed to detect and destroy counter-measured armored vehicles, primarily self-propelled artillery. Each 155 mm artillery projectile delivers two SADARM submunitions. Once dispensed from the projectile, the submunitions descend and search for a target by scanning the ground in a spiral pattern. The submunitions use active and passive millimeter wave radar and infrared sensors to detect a target. After detection, SADARM determines the optimum engagement point and fires a highly lethal, explosively formed penetrator through the top of the target. With the multimode sensor suite, the submunition is effective in all weather and terrain. SADARM is a gun-hardened submunition that can be dispensed from a variety of carriers.

**Caliber:** 5.8 in

**Sub-munition weight:** 26.2 lb

**Range:** 22.5 km (M109A6 howitzer), 26.0 km (Crusader)

**Number of submunitions:** 2 per projectile

## FOREIGN COUNTERPART

Germany: SMArt 155 (DM 702)

## FOREIGN MILITARY SALES

None

## PROGRAM STATUS

**1QFY98** Successfully completed initial production testing.

**4QFY98** Successfully completed live-fire testing.

Completed initial operational test and evaluation.

**Current** Continue performance-enhancing product improvement program, which was initiated in FY97.

Continue SADARM low-rate initial production.

Conducted reliability/lot acceptance testing.

## PROJECTED ACTIVITIES

**3QFY00** Limited user test.

**TBD** Milestone III.

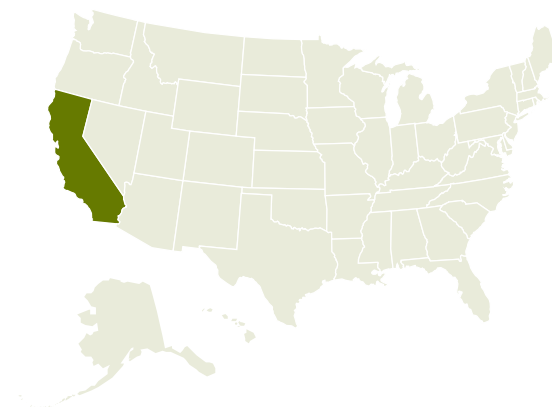
**TBD** Full-rate production.

**TBD** First unit equipped.

**FY03** Commence product-improved SADARM production.

## PRIME CONTRACTORS

GenCorp (Azusa, CA)



\* See appendix for list of subcontractors

